



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010523  
CERTIFICATION DATE: September 4, 2013  
DATE RECERTIFICATION DUE: March 3, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy  
Section Supervisor, Breath Alcohol

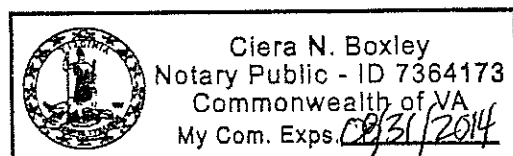
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 12<sup>th</sup> day of September, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

*Sub*



DBH  
MSK

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/6/2013**

**Instrument Serial Number: 010523**

**As of 06-Sep-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
04-Sep-13	04-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
19-Mar-13	19-Mar-13	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
27-Sep-12	27-Sep-12	DBH (21250)	CERTIFIED.
11-Apr-12	11-Apr-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Oct-11	25-Oct-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
14-Jun-11	14-Jun-11	DBH (21250)	CERTIFIED
28-Dec-10	28-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Jul-10	08-Jul-10	DBH (21250)	CERTIFIED
13-Jan-10	13-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
04-Aug-09	04-Aug-09	DBH (21250)	CERTIFIED.
10-Mar-09	10-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
14-Nov-08	14-Nov-08	DBH (21250)	CERTIFIED.
07-Nov-08	07-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DSH  
MSK

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010523 Worksheet Start Date 9/4/2013  
Location Buckingham CO SO  
Address 13043 James Anderson Hwy Buckingham VA 23921  
DFS Technician Donald Hall License No. 21250

☐ Laboratory

☒ On-Site

## Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒

☐

**2 Environment free from contaminants**

☒

☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒

☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒

☐

Old serial no. New serial no. Supplies  
E-Seek Mouthpieces  
Keyboard Certificates of Analysis  
Printer Operator Worksheet  
UPS Other:

50

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010523

Certification Date 9/4/2013

Instrument Barometer (mm HG) 755

Reference Barometer (mm HG) 754

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.248	0.240	0.255	Sample 2	0.244
Precision		sample min	sample max	Sample 3	0.244
0.001		0.244	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.147
0.001		0.147	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-20

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

*Donald B Hall*

Date

9/6/13

Issuing Analyst

*Melina Kennedy*

Date

9/10/13

Intox EC/IR II QA Worksheet  
Issued by Calibration and Training Program Manager  
Issue Date: 4-March-2013

DFS Document 250-F113  
Revision 6  
Page 2 of 2

DBH

NSK




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/04/2013</b>
TEST EQUIPMENT NUMBER <b>010523</b>		

RESULTS: TIME SAMPLE TAKEN 10:02 EDT  
0.00  
SAMPLE'S ALCOHOL CONTENT \_\_\_\_\_ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE

FOR COURT



# IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:42

DBH

WJL

## Test Results

Instrument Serial Number 010523

Test # 000438 Subject Test

Test Location 1 Department of  
Test Date 04 Sep 2013

Test Location 2 Forensic Science  
Test Time 09:56  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B  
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2013 End Time 10:03

Result Time 10:02

Result Date 04 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:56

Data Type BLK

Sample Value 0.000

Sample Time 09:57

Data Type CHK

Sample Value 0.100

Sample Time 09:57

Data Type BLK

Sample Value 0.000

Sample Time 09:59

Data Type SUBJ

Sample Value 0.000

Sample Time 09:59

Data Type BLK

Sample Value 0.000

Sample Time 10:00

Data Type SUBJ

Sample Value 0.000

Sample Time 10:02

Data Type BLK

Sample Value 0.000

Sample Time 10:03

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG226201-20

Standard Expiration Date 09/18/2014

Tank Pressure 1041

Barometric Pressure 755 mmHg

Blow Sample Number 1 Blow Duration 3.67 sec

Blow Volume 1738 cc End-of-Blow Time 09:59

Blow Sample Number 2 Blow Duration 3.56 sec

Blow Volume 1786 cc End-of-Blow Time 10:02

Tamper Evident Stamp f7ff4b9a

Test Status Code 0

Test Status Success

**Intox EC/IR-II: Software Version**

DBH

*Department of Forensic Science*

Serial Number: 010523

System Date: 09/04/2013

System Time: 10:30 EDT

Software Version: VS00333-K

NSK

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration

DBH

Department of Forensic Science

MSK

Serial Number: 010523 Test Number: 439

Test Date: 09/04/2013 Test Time: 10:33 EDT

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 468 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:33
CAL	0.099	10:34

Test Status: Success

Calibration CRC: 9D31064C



**Intox EC/IR-II: Certification**

DBH

*Department of Forensic Science*

Serial Number: 010523      Test Number: 440

Test Date: 09/04/2013      Test Time: 10:37 EDT

NRK

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 375 psi      Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:37
BLK	0.000	10:38
CHK	0.245	10:39
BLK	0.000	10:40
CHK	0.244	10:41
BLK	0.000	10:42
CHK	0.244	10:43
BLK	0.000	10:45

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

DBH

*Department of Forensic Science*

WJK

Serial Number: 010523      Test Number: 441

Test Date: 09/04/2013      Test Time: 10:47 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 0651215014-07      Exp Date: 04/01/2014

Tank Pressure: 149 psi      Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:48
BLK	0.000	10:48
CHK	0.148	10:49
BLK	0.000	10:50
CHK	0.148	10:51
BLK	0.000	10:53
CHK	0.147	10:53
BLK	0.000	10:55

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

DBH

*Department of Forensic Science*

Serial Number: 010523      Test Number: 442  
Test Date: 09/04/2013      Test Time: 10:57 EDT

MSK

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 06512080I2-03      Exp Date: 04/01/2014  
Tank Pressure: 340 psi      Barometric Pressure: 754 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:57
BLK	0.000	10:58
CHK	0.079	10:59
BLK	0.000	11:00
CHK	0.079	11:01
BLK	0.000	11:02
CHK	0.079	11:03
BLK	0.000	11:04

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

DBH

*Department of Forensic Science*

Serial Number: 010523      Test Number: 443  
Test Date: 09/04/2013      Test Time: 11:06 EDT

MSK

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05      Exp Date: 04/01/2014  
Tank Pressure: 227 psi      Barometric Pressure: 754 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:06
BLK	0.000	11:07
CHK	0.019	11:08
BLK	0.000	11:09
CHK	0.019	11:10
BLK	0.000	11:11
CHK	0.019	11:12
BLK	0.000	11:13

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

**Intox EC/IR-II: Accuracy Check**

DBK

*Department of Forensic Science*

NK

Serial Number: 010523      Test Number: 444

Test Date: 09/04/2013      Test Time: 11:16 EDT

Dry Gas Target: 0.298

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 512 psi      Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:17
CHK	0.297	11:18
BLK	0.000	11:20
CHK	0.297	11:21
BLK	0.000	11:22
CHK	0.297	11:23

Test Status: *Success*

Calibration CRC: 9D31064C

**Intox EC/IR-II: Accuracy Check**

DBH

*Department of Forensic Science*

Serial Number: 010523      Test Number: 445

Test Date: 09/04/2013      Test Time: 11:27 EDT

Dry Gas Target: 0.099

Lot Number: AG226201-20      Exp Date: 09/18/2014

Tank Pressure: 1026 psi      Barometric Pressure: 754 mmHg

System Check: *Passed*

ASK

Test	g/210L	Time
BLK	0.000	11:27
CHK	0.099	11:28
BLK	0.000	11:30
CHK	0.099	11:31
BLK	0.000	11:32
CHK	0.099	11:33

Test Status: *Success*

Calibration CRC: 9D31064C




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>09/04/2013</b>
TEST EQUIPMENT NUMBER <b>010523</b>		

RESULTS: TIME SAMPLE TAKEN 11:41 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 06 Sep 2013 at 09:43

DBH

MSK

## Test Results

Instrument Serial Number 010523

Test # 000446 Subject Test

Test Location 1 Department of  
Test Date 04 Sep 2013

Test Location 2 Forensic Science  
Test Time 11:35  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2013 End Time 11:43

Result Time 11:41

Result Date 04 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:36

Data Type BLK

Sample Value 0.000

Sample Time 11:36

Data Type CHK

Sample Value 0.099

Sample Time 11:37

Data Type BLK

Sample Value 0.000

Sample Time 11:38

Data Type SUBJ

Sample Value 0.000

Sample Time 11:39

Data Type BLK

Sample Value 0.000

Sample Time 11:40

Data Type SUBJ

Sample Value 0.000

Sample Time 11:41

Data Type BLK

Sample Value 0.000

Sample Time 11:42

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG226201-20

Standard Expiration Date 09/18/2014

Tank Pressure 1017

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 3.41 sec

Blow Volume 1797 cc End-of-Blow Time 11:39

Blow Sample Number 2 Blow Duration 3.44 sec

Blow Volume 1707 cc End-of-Blow Time 11:41

Tamper Evident Stamp e92553a2

Test Status Code 0

Test Status Success